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be the same or different and respectively and independently represent an integer of 0-2, $1 \le m+n \le 3$, L and M may be the same or different and respectively and independently represent -CH₂CH₂-, -CH(CH₃)CH₂-, -CH₂CH(CH₃)-, -CH₂O-, -OCH₂-, -CF₂O-, -OCF₂-, -COO-, -OCO-, -CH=CH-, -CF₂-CF-, -C=C-, -O(CH₂)₃-, -(CH₂)₃O-, -(CH₂)₄- or a single bond, rings A and B when present may be the same or different and respectively and independently represent a trans-1,4-cyclohexylene group in which one CH₂ group or more than one non-adjacent CH₂ groups in the group may be replaced by -O- or -S-, a 1,4-phenylene group in which one CH₂ group or more than one non-adjacent CH₂ groups in the group may be replaced by -N=, a 1,4-cyclohexenylene group, 1,4-bicyclo(2,2,2)octylene group, piperidine-1,4-diyl group, naphthalene-2,6-diyl group, trans-decahydronaphthalene-trans-2,6-diyl group or 1,2,3,4-tetrahydronaphthalene-2,6-diyl group, and although these may be substituted with a cyano group or halogen, in the case m or n represents 2, at least one of the two L or M present represents a single bond; provided that the following cases are excluded:

- i. case in which m and n represent 0, R represents a non-substituted alkyl group, and Z represents a non-substituted alkyl group or cyano group;
- ii. case in which either m or n represents 1, the other of m br n represents 0, ring A or ring B when present represents a 1,4-cyclohexylene group, L or M when present represents a single bond, R or Z bonded to a decahydronaphthalene ring represents a non-substituted alkyl group, and R or Z bonded to a 1,4-cyclohexylene group represents a non-substituted alkyl group, alkoxy group or alkenyloxy group;
- iii. case in which either m or n represents 1, the other m or n represents 0, ring A or ring B when present represents a 1,4-cyclohexylene group, L when present represents -OCO- or M when present represents -COO-, R or Z bonded to a decahydronaphthalene ring represents a non-substituted alkyl group, and R or Z bonded to a 1,4-cyclohexylene group represents a non-substituted alkyl group or cyano group;
- iv. case in which either m or n represents 1, the other m or n represents 0, ring A or ring B when present represents a non-substituted 1,4-phenylene group, L when present represents -OCO- or M when present represents -COO-, L or M when present represents a single bond, R or Z bonded to a decahydronaphthalene ring represents an alkyl group, and R or Z bonded to a 1,4-phenylene group represents a non-substituted alkyl group, alkoxy group, hydroxyl group, hydrogen atom, carboxyl group or cyano group;
- v. case in which either m or n represents 1, the other m or n represents 0, ring A or ring B when present represent a non-substituted 1,4-phenylene group, L or M when present represents a single bond, R or Z bonded to a decahydronaphthalene ring represents a non-substituted alkoxy group, and R or Z bonded to a 1,4-

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phenylene group represents a non-substituted alkyl group;

vi. case in which either m or n represents 1, the other m or n represents 0, ring A or ring B when present represents a trans-decahydronaphthalene-trans-2,6-diyl group, L when present represents -OCO-, M when present represents -COO- or L or M when present represent a single bond, and R and Z represent non-substituted alkoxy groups;

vii. case in which either m or n represents 1, the other m or n represents 0, ring A or ring B when present represents a non-substituted naphthalene-2,6-diyl group, L when present represents -OCO- or M when present represents -COO-, R or Z bonded to a decahydronaphthalene ring represents a non-substituted alkyl group, and R or Z bonded to a naphthalene-2,6-diyl group represents a non-substituted alkyl group, bromine atom or cyano group, or the case in which R or Z bonded to a decahydronaphthalene ring represents a non-substituted alkoxy group, and R or Z bonded to a naphthalene-2,6-diyl group represents a non-substituted alkyl group or cyano group;

viii. case in which n represents 2, m represents 0, R represents a non-substituted alkyl group, M when present adjacent to a decahydronaphthalene ring represents -COO-, at least one of rings B present represents a non-substituted 1,4-phenylene group, and Z represents a non-substituted alkyl group or bromine atom, or the case in which at least one of rings/B present represents a pyrimidine-2,5-diyl group, and Z represents a non-substituted alkyl group, alkowy group or cyano group; and

ix. case in which m and n represent 1, ring A represents a trans-decahydronaphthalene-trans-2,6-diyl group or a 1,4-cyclohexylene group, ring B represents a non-substituted 1,4-phenylene group or 1,4-cyclohexylene group, L represents a single bond, M represents -COO-, -OCO-, -CH₂O- or -OCH₂-, and R and Z represent non-substituted alkyl groups.

14. (Amended) A compound represented by general formula (II):

$$\mathbb{R}^4$$
 $\left(A \right)$ \mathbb{L}^1 $= 0$ (II)

(wherein, R⁴ represents an alkyl group, alkyoxy group, alkenyl group, alkenyloxy group or alkoxyalkyl group, L¹ represents -CH₂CH₂-, -CH₂CH₂-, -CH₂CH₂-, -CH₂O-, -OCH₂-, -CF₂O-, -OCF₂-, -COO-, -OCO-,

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-CH=CH-, -CF=CF-, -C=C-, -O(CH₂)₃-, -(CH₂)₃O-, -(CH₂)₄-, or a single bond, R^4 represents an alkenyl group, alkenyloxy group or alkyoxyalkyl group when L^1 represents a single bond, ring A represents a trans-1,4-cyclohexylene group in which one CH₂ group or more than one non-adjacent CH₂ groups in the group may be replaced by -O- or -S-, a 1,4-phenylene group in which one CH₂ group or more than one non-adjacent CH₂ groups in the group may be replaced by -N=, a 1,4-cyclohexenylene group, 1,4-bicyclo(2,2,2)octylene group, piperidine-1,4-diyl group, naphthalene-2, 6-diyl group, trans-decahydronaphthalene-trans-2,6-diyl group or 1,2,3,4-tetrahydronaphthalene-2, 6-diyl group, m represents an integer of 0-2, and the decahydronaphthalene ring has a trans form).

16. (Twice Amended) A compound represented by general formula (V-1) or general formula (V-2):

$$U^{1} = \bigcup_{U^{2} \ (V-1)} U^{1} = \bigcup_{U^{2} \ (V-2)} U^{2}$$

(wherein, U¹ and U² respectively and independently represent an oxygen atom or the following structure:

B3.

(wherein, k represents an integer from 1 to 7), L represents $-CH_2CH_2$ -, $-CH(CH_3)CH_2$ -, $-CH_2CH(CH_3)$ -, $-CH_2O$ -, $-OCH_2$ -, $-CCH_2O$ -, $-OCH_2$ -, $-CCH_2O$ -, -CCH

20. (Amended) A production method of general formula (V-1a):

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(wherein k represents an integer from 1 to 7) including monoacetalation of a compound represented by general formula (V-1D):

0= =0 (V-1D)